

APPENDIX I

**SUPPORTING INFORMATION FOR THE
HOLBROOK AND CITY OF PHOENIX EMERGENCY
SERVICES INSTITUTE SITES**

HOLBROOK SITE

Greiner

E100387.00

June 9, 1995

MEMORANDUM

TO: Files

FROM: Mike Kenney

SUBJECT: **Holbrook Fire Training Facility Site Visit**

On this day, I made a visit to the above mentioned site. My primary contacts were:

Mr. Pat Reynolds &
Mr. Jim Mobley
Holbrook Fire Department
Holbrook, AZ
(520) 524-3131

I was accompanied by Mr. Larry Larkin, Chairman, of the ARFF Study Committee. The following summarizes this visit:

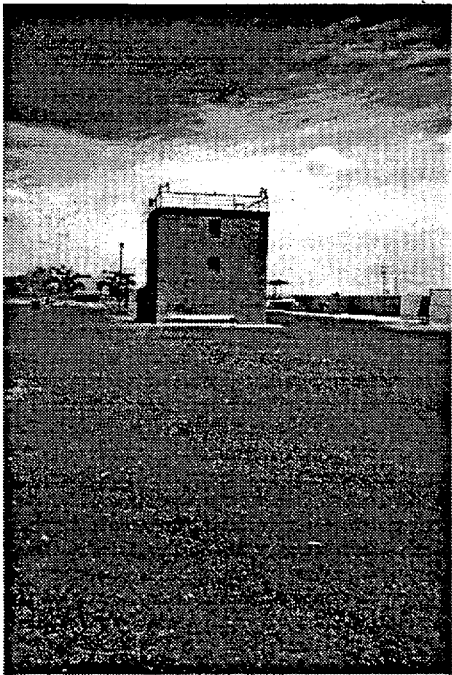
1. Met with Ms. Mildred Foutz, City of Holbrook Economic Development Director.
2. Facility was constructed by fire department members with donated time and materials.
3. Located just north of the City, adjacent to the fire department building.
4. A training session was conducted utilizing all of the training props, fueled with either propane or a diesel/gasoline mixture.
5. The wastewater is collected in a retention chamber and stored until evaporated.
6. Surrounding land use includes the municipal airport (City owned), ADOT asphalt mixing site and vacant land.

7. Overall, the Facility is very function, well planned and quite impressive, considering how it was built.

This concludes this site visit memo. Photographs were taken.

MK:ha

FEASIBILITY STUDY AND ENVIRONMENTAL REVIEW FOR A REGIONAL ARFF TRAINING FACILITY



Burn building



Oil truck/loading platform prop.



Pit fire simulator



Training facility and ARFF site

**PHOTOGRAPHS OF
HOLBROOK FIRE TRAINING
FACILITY**

MEMORANDUM

DATE: May 12, 1995
TO: File
FROM: Randall Beck *Beck*
SUBJECT: Site Visit to Holbrook Volunteer Fire Department Training Facility

Site Visit Attendees:
Randall Beck, Greiner, Inc.
Win Hillibert, Fire Chief
Jim Mobley, Volunteer
Eddie Fisher, Volunteer
Fern Larson, City Clerk

The Holbrook Fire Training Facility is a voluntary effort between the Volunteer Fire Department, the City of Holbrook and several local private companies in the area. The private companies are: Ferrell Gas (propane), Shipley-Phillips (trucking), and Bradco (Union 76 Distributor).

Fire training is available to anyone who wants it. Trainers must be a certified firefighter I to participate. The facility has served firefighters from as far away as San Francisco. The National Park Service has also trained at the facility. Participants are required to sign a hold harmless agreement to participate in training exercises.

Construction was started in 1988 and was built with all volunteer labor. Members of the Fire Department spearheaded the volunteer effort and the donation of materials. Old concrete panels from a decommissioned water treatment plant were used to construct the facility.

Ferrell Gas donated propane props, tanks and piping. They have a 30 million barrel underground storage facility outside of town at Adamana which is 20 miles east of Holbrook. Shipley-Phillips donated the loading dock for the mock-up.

The facility is located on City property. No building permits were obtained when the facility was constructed. The only permit for the site is an aquifer protection permit (APP) from ADEQ. Air quality permitting was not required by ADEQ. The City Manager and the Superintendent of the wastewater treatment plant worked with ADEQ for approval of the plan to construct and subsequent issuance of the APP. The City made several attempts at securing plan approval before ADEQ signed off. ADEQ required a clay liner with 80-mil plastic for containment. They also required a sensor for hydrocarbon leakage.

A large catch basin is used for catchment of contaminated water from training exercises. The water collected is eliminated through evaporation. There are no monitoring wells on the site.

The Fire Department is currently attempting to locate some additional land for hazardous materials training.

Training is held once a month and weekend classes are held in the summertime. The facility is used year-round, mostly in the summer, but no winter shutdown.

The ADEQ personnel that processed the permit are Corinne Lujan and Chiou-Lian Chen, both with the Water Permits Unit of the Water Quality Division. Major elements of the permit include the following:

- | | |
|----------------------------|-----------------------|
| ▪ Discharge Limitations | ▪ Recordkeeping |
| ▪ Monitoring Requirements | ▪ Contingency Plan |
| ▪ Operational Requirements | ▪ Emergency Response |
| ▪ Sampling Not Required | ▪ Closure |
| ▪ Leak Detection | ▪ Facility Inspection |

The participants of the fire training exercises must participate in a safety training session before participating in live fire training. The safety curriculum is developed by the volunteer firefighters. Personal liability insurance and workman's compensation is required of participants.

The gear of the firefighters is inspected prior to being allowed to train.

There have been no complaints from the public regarding the operation of the fire training facility.

The Northland Pioneer College has a fire science curriculum and training is conducted through the college. The Fire Department uses the college's insurance in this case.

The Fire Department has an evaluation form that the fire trainers fill out at the end of each training session.

The Fire Department is interested in being a host to a regional ARFF facility. They believe the City and community would support it.

Hotels and restaurants are located nearby. I-40 is within 2 miles of the site and the Holbrook Airport is located adjacent to the training facility.

Fees are \$30 per person. There is no obligation to pay if you can't afford the fee.

No flammable liquids are burned during the day - only at night.

Sanitary sewer will be available to the site soon.

The nearest hospital is 30 miles away in Winslow. There is one doctor locally.

There are paramedics on the Fire Department staff. EMT is available at all times during training.

RDB/dh

RB051295.M01

HOLBROOK

ECONOMIC DEVELOPMENT

June 20, 1995

Mr. Mike Kenney
Greiner, Inc.
7650 W. Courtney Cambell Causway
Tampa, FL 33607

Dear Mr. Kenney,

May I take this opportunity to give you some particulars regarding the Holbrook area and how we can serve the demands created by having the Regional Aircraft Rescue and Fire Fighting Training Facility located here.

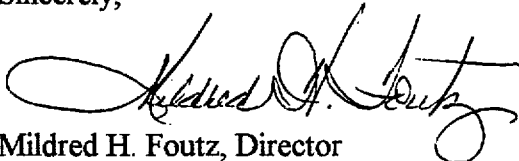
Land availability is very workable and at reasonable costs. Holbrook sits on the largest aquifer in Arizona, so water is readily available and relatively close to the surface. Interstate 40 runs through Holbrook and we have a general aviation airport so transportation links are strong. We have 1,100 motel rooms and 18 restaurants in addition to fast food establishments.

The available labor force is sufficient to satisfy the needs of most any size business both now and in the future. Holbrook's climate is relatively mid for its latitude and elevation of 5,080 feet. Clean, sunny days are the usual forecast with 320 days per year of mostly sunny weather.

The City of Holbrook offers a business incentive program to assist with expenses incurred by new businesses locating in the area, and will work actively to assist with your staff in accomplishing your goals.

Please give us the opportunity to serve your needs.

Sincerely,



Mildred H. Foutz, Director
Economic Development Department

HOLBROOK ECONOMIC DEVELOPMENT
P. O. Box 70 Holbrook, AZ 86025
(520) 524-2413 (800) 273-2413 FAX (520) 524-2159



HOLBROOK VOLUNTEER FIRE DEPARTMENT



100 Airport Road ♦ Holbrook, Arizona 86025

Telephone: (602) 524-3898

Emergency: 911

MEMBER A.F.F.A

June 09, 1995

Mike Kenney
Griener Engineering Inc.
7650 W. Courtney Cambell Causway
Tampa, FL 33607

Dear Sir:

The purpose and intent of this letter is to give you a brief summary of the operations of the Holbrook Volunteer Fire Department.

The H.V.F.D. is made of members from various economic and social backgrounds. We have in common the sincere desire to serve the citizens of Holbrook, Arizona. We are a family of professionals dedicated to excellance in meeting our mission. We have all committed ourselves to using our training and capabilities to protect the public at all times, whether on duty or off duty. Providing exceptiional service is a far cry from expecting "good enough" performance. We strive for excellance in literally every contact with our customers.

The H.V.F.D. recognizes that the inherent responsibility of the department is to prevent loss of lives and property. Coupled with these goals, we hold every member responsible for performing in the safest manner possible in consideration of the unusual and hazardous working environment. It is also the obligation of management to provide the safest possible equipment, tools and apparatus with which to perform fire fighting duties. We further hold management responsible for properly training and educating each member in all safety aspects of the total milieu. In recapitulation, it is the duty of every member to save lives, prevent property loss, and to perform the two functions with the highest degree of safety conceivable.

The primary purpose of the H.V.F.D. is to provide fire suppression, rescue and hazardous material response to the 5000 citizens of our community.

We average approximately 100 alarms per year. In response to these alarms, we utilize the following equipment:

- 5 - engine pumpers
- 1 - rescue truck
- 1 - brush seat

The H.V.F.D. consists of thirty members, 24 Regular, 6 Auxillary.

Chief

1st Asst. Chief 2nd Asst. Chief

Co. 1 Co. 2 Co. 3

Captain Captain Captain

Engineer Engineer Engineer

7 Firefighters 7 Firefighters 7 Firefighters

1 - hose truck equipped with large dia hose and all appliances for them

1 - mobile command center

1 - hazardous materials response vehicle

These vehicles operate from 3 stations around the city.

Given the serious complexities of firefighting, occupational safety and health, along with being environmentally correct, the H.V.F.D. chooses to attempt to comply with National Standard.

Listed below are just a few standards that will be in use during the training 20 June 1995 1900

Hrs. H.V.F.D. Training Facility, Holbrook, AZ.

NFPA 11. 1404 1981 1973

NFPA 30A 1406 1971 1974

NFPA 402M 1410 1972 1500

Enclosed in this packet are these standards. For further information, please feel free to ask about any aspect of the Department.

Thank you,

A handwritten signature in black ink, appearing to read "Patrick Reynolds", followed by a horizontal line.

Patrick Reynolds

Training Officer

Holbrook Volunteer Fire Department

CITY OF PHOENIX EMERGENCY SERVICES INSTITUTE SITE

Greiner

E100387.00

October 11, 1995

MEMORANDUM

TO: Files

FROM: Mike Kenney

SUBJECT: City of Phoenix Fire Department Emergency Services Institute (ESI)
Training Facility Visit.

On this day, I made a visit to the abovementioned site. My contacts were:

Mr. Gary Morris, Dept. Chief
Mr. Dennis Dodt, Div. Chief
City of Phoenix Fire Department
Emergency Services Institute
2430 S. 22nd Avenue
Phoenix, AZ 85009
(602) 262-6393

I was accompanied by Jim Cook and the following summaries our visit:

1. Downtown Phoenix is within view from the ESI site.
2. Live fire training is presently conducted on-site using Class A combustibles and propane.
3. The training facility offers and extensive supply of visual aids (video's), classrooms, equipment and instructors.
4. Surrounding land uses are essentially State and City owned consisting of a wastewater treatment facility, landfill and vehicle maintenance facilities. The adjacent parcel to the south will become part of the ESI site.

5. The proposed ARFF site is near, but does not adjoin, the ESI site. It is privately owned and currently used for growing cotton.
6. ESI expects ARFF Training accreditation in Spring of 1996.
7. Around 1990, the Department developed preliminary plans to build and manage an ARFF training facility in conjunction with the ESI at Phoenix Deer Valley Airport. The plan called for propane-fueled mock-ups including aircraft body, elevated engine, wheel, and interior cabin at an estimated cost of \$5M-\$7M.
8. Another, formerly proposed ARFF training facility site, is located about five minutes southwest of the ESI. Adjacent to the City landfill and the Salt River, this site is also city-owned and is being prepared for an emergency vehicle driving course. Because of the landfill, the City is not visible from this site and is more remote than the currently proposed site.

This concludes this site visit memo. Photographs were taken.

MK:ha

Attendees



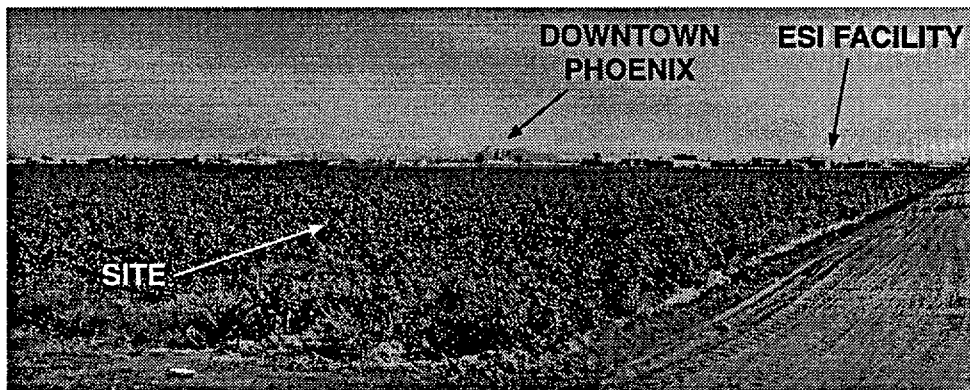
**Originally proposed ARFF training site
located near landfill**



**Emergency Services Institute
classroom/office/station buildings**



**Emergency Services Institute
training grounds and burn building**



Proposed ARFF training facility site

**PHOTOGRAPHS OF THE
PHOENIX FIRE DEPARTMENT
EMERGENCY SERVICES INSTITUTE SITE**

MEMORANDUM

DATE: September 18, 1995
TO: Mike Kenney
FROM: Randall Beck
SUBJECT: Site Visit for City of Phoenix Fire Training Academy

A site visit was conducted on September 5, 1995. The following people were present: Gary Morris, Deputy Chief of Phoenix Fire Department
Daniel Beck, In charge of Aviation-related fire training
Lloyd Randall, In charge of training at the Academy

The address of the Academy is : 2430 S. 22nd Ave. The Academy trains about 1500 firemen monthly. Fees for trainees are set on a case by case basis. There is an on-going relationship with the State Fire Marshall. The Academy has a burn permit for their existing mock-ups. These mock-ups will be moved to the new site if it develops. The Academy hosts national and international conferences, all handled in-house. The facility includes classrooms, simulator room and has been in operation since the mid 1970's.

There was an interest in developing an ARFF facility at the Phoenix Deer Valley Airport back in 1989. The site was envisioned as having classrooms, lodging, etc. with 5 props and a burn pit. There was concern with air quality issues, particularly the visual aspect of operating an ARFF facility.

The Academy has an accredited program for fire training. There is a long standing relationship with Phoenix College, credits can be transferred from the Academy to the College. The Academy also has ties with the bachelors program at ASU and the associated program at Ottawa University.

The site that is being proposed for this study is City-owned and is planned as a driver training course. The ARFF facility could exist as a joint use facility on the site. The site is about 5 minutes drive from the Academy. Lodging is nearby and Sky Harbor Airport is only a few miles away. There is 80-100 acres available for development. Half of this area will be for the driver training course. There is a 1500 foot asphalt strip planned for the driver training course that could double as a runway for training activities. The City Engineering Department is preparing the design for the driver training course. The paved surfaces will be designed for truck loads.

The next step for the driver training course is to establish funding. The Deputy City Manager (David Garcia) is involved in the funding. There is a technical committee overseeing the design and a budget committee overseeing the funding. There are 5 City departments that require driver training. The project is expected to move forward in phases.

Fees are expected to be collected from other agencies for driver training. This concept would likely carry over to fire training. The site is natural desert and would lend itself to off-road desert training.

MEMORANDUM

DATE: September 20, 1995

TO: Mike Kenney

FROM: Randall Beck *Randall*

SUBJECT: I talked to Chief Morris with the Phoenix Fire Department and he provided the following information.

Existing mock-ups at the Academy: Two burn buildings, one residential and 1-five story mini high-rise. Two LPG props, one 500 gallon tank and one railroad tanker car. One wooden/drywall residential mock-up, used and rebuilt on a regular basis. One over the road hazmat tanker/truck. Confined space rescue facility. Burn area for vehicle fires.

Straw and wood pallets are used for fuel in addition to LPG.

Long range plans are to relocate burn buildings to the new, proposed site. Classrooms and other facilities will remain at the Academy.

The proposed site is 80-100 acres, 60 of which will be used for driver training. The driver training course could be scaled back if necessary.

The Academy provides regional training for the Phoenix Fire Department as well as 8 other metro fire departments. In addition, they provide training for Tempe, Lavine, Sun City, Sun City West, Glendale, Peoria, Tolleson and Daisy Mountain.

They provide recruit training and monthly, on-going training. They also provide other training to Arizona Public Service, Palo Verde Nuclear Power Plant, and the State Fire School.

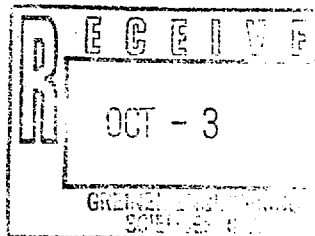


City of Phoenix

FIRE DEPARTMENT
EMERGENCY SERVICES INSTITUTE/SPECIAL OPERATIONS

October 2, 1995

Mr. Randall Beck
Greiner, Project Manager
7310 N. 16th Street, Suite 160
Phoenix, AZ 85020-5285



Winner of the
Carl Bertelsmann
Prize for



Dear Mr. Beck:

The City of Phoenix Fire Department is pleased to submit a proposal to be consider for a Regional Aircraft Rescue and Firefighting (ARFF) Training Center.

The Phoenix Fire Department has a long history of professional and progressive fire service training for the Phoenix-Metro area. The Department conducts training for its members as well as eight other metro area fire departments. Training includes recruit training monthly on-going, and advanced training programs.

The Department also conducts an advanced Aircraft Rescue and Firefighting Training Program at Phoenix's Sky Harbor International Airport.

The Phoenix Fire Department has a major regional training center, the Emergency Services Institute, that is within a 1/2 mile of the proposed site. In addition, the Department also has a long association with Phoenix College, Arizona State University, and more recently, Ottawa University.

The Phoenix Fire Department is accredited in seven different fire service programs by the International Fire Service Accreditation Congress. The Department expects to receive ARFF accreditation in the Spring of 1996. The Department also conducts annual national seminars that attract several hundred fire service personnel from around the world.

I believe you will find that the existing facilities, training programs and experience by members of the Phoenix Fire Department to be a major supporting asset to a proposed Regional ARFF Training Facility. The Department looks forward to managing such a facility.

Sincerely,


Alan V. Brunacini
Fire Chief

AVB/GPM:me

merc/ltrs/greiner

***PROPOSAL TO COMPETE FOR A
REGIONAL AIRCRAFT RESCUE
AND
FIREFIGHTING TRAINING CENTER***

Submitted by
The
Phoenix Fire Department

October 1995

PROPOSAL

The Phoenix Fire Department has a long history of providing fire service training to the Phoenix-Metro area. This has included an aggressive and progressive Aircraft Rescue and Firefighting (ARFF) training program through the Department's Sky Harbor Aviation Operation. The Phoenix Fire Department provides ARFF services to Sky Harbor International Airport, Index Airport. Training programs include several programs for airport firefighters, off-airport fire companies, and civilian support personnel.

The Phoenix Fire Department initiated an effort in 1989 to determine the possibilities of building and managing a "regional" ARFF Training Center. Western region airports were surveyed for interest and a large interest was expressed. A "conceptual" facility design was drafted and cost estimates were established.

The current effort by the Arizona Department of Transportation Division of Aeronautics matches very well with the original design concept prepared by the Phoenix Fire Department. The Phoenix Fire Department, therefore, is highly interested in pursuing a regional ARFF Training Center and is pleased to submit the following proposal. Described below are assets the Phoenix Fire Department, and the proposed site possess, that the Department believes will contribute to a quality Regional ARFF Training Center.

PROPOSAL SITE

The proposed ARFF site is located on the Northeast Corner of 27th Avenue and Lower Buckeye Road. More than 30 acres of agriculture property is available to the North side of Lower Buckeye Road. The property is presently privately owned and used for growing cotton. To the south is City owned property that was part of the City's sewage treatment process in the past. To the southwest is the landfill and the City's recycle plant. To the west for nearly a mile is open agriculture property, presently planted with cotton. To the north is open cotton fields for nearly one mile. To the east is the sewage treatment plant. The Emergency Services Institute is further to the east just beyond the sewage treatment plant and within one quarter to one half mile of the proposed ARFF site.

The area on three sides is very sparsely populated, with few structures within a half mile. The closest structure is the sewage treatment plant. The area is primarily zoned for industrial use. Structures in the immediate area are industrial in nature. The nearest residential areas is approximately one mile away, near the I-17 Durango curve.

Advantages of the proposed site for ARFF Training include:

1. Isolation from the general public.
2. Neighborhood zoning would be compatible for the site.
3. The present training academy is less than 3 minutes from the site.
4. The academy can provide adequate classroom space for the training.
5. The City's heavy equipment maintenance shops are immediately adjacent to the academy less than 3 minutes from the proposed site.
6. The training site is reasonably close to motel space to be used by out-of-town clients.
7. There is adequate space to construct the ARFF training site.

TRAINING SUPPORT FACILITIES

As previously noted, the Emergency Services Institute (ESI-Training Academy) is located within 1/2 mile of the proposed site. The ESI has seven major training classrooms; four of which are designed as simulator rooms. There is a large 85 seat auditorium. The auditorium is also designed and equipped to conduct major simulation exercises. The auditorium is also equipped with satellite tele-broadcast capability to conduct interactive training over the National Fire Academy's EENET service. Other satellite broadcast training could also be available over this system. There are other rooms for meeting space available.

In addition, the five acre ESI site has a number of various firefighting props located on the exterior grounds. A large pool of instructor certified officers (including ARFF officers) are available to teach a variety of training programs. The ESI provides an excellent facility for classroom instruction prior to exterior activities at the proposed ARFF site. The ARFF site is less than a three minute drive time from ESI. In addition, Sky Harbor Airport is less than eight miles and 15 minutes drive time from ESI.

COMMERCIAL AIR SERVICE AND LODGING

The proposed Phoenix ARFF site would allow easy access by Western states for ARFF training. Sky Harbor International Airport is a hub for America West and Southwest Airlines. Many other airlines serving the Western states fly through Phoenix. This allows economic air travel for students. There are a large variety of hotel/motel facilities within a few miles and minutes of drive time to the training site. Car rentals are also available at Sky Harbor and throughout the City.

OTHER SUPPORT SERVICES

The Phoenix proposed site offers additional support services. The City of Phoenix, as well as, the State of Arizona Department of Transportation have large heavy and light vehicle repair and maintenance facilities immediately adjacent to the Emergency Services Institute. These facilities offer rapid maintenance and repair of ARFF vehicles. These facilities are located within 1/2 mile and three minutes of the proposed ARFF training site. Mechanics could rapidly report to the site if needed. Efficient storage and repair of ARFF vehicles can be maintained.

Emergency Medical Services are also immediately available. All Phoenix Fire Department members are trained and certified to Emergency Medical Technician (EMT) levels. Because of seniority and rank, training officers have many years of "hands on" experience dealing with actual medical emergencies. In addition, it is not uncommon for the assigned training staff to be certified paramedics (two Captains and a division chief are presently certified paramedics). A compliment of advanced life support equipment, including a heart defibrillator, is stationed at ESI.

All exterior training functions are managed using portable radios that allow rapid notification of the dispatch center for any emergencies. The nearest fire station to the proposed ARFF site is approximately a 2 mile distance (27th Avenue at Buckeye Road) and a two minute response time. The station (Station 21) houses a paramedic engine company and an ambulance. Several other fire stations in the area can provide a rapid back up resource of emergency equipment and personnel.

The Phoenix area has a large complement of hospitals including specialty trauma and burn centers. Six medical helicopters in the Metro area are also available to provide rapid transport.

EDUCATIONAL SUPPORT

The Phoenix Fire Department has had a long and positive history of providing and supporting fire service training programs in the State of Arizona. This experience has included ARFF Training. The Department has maintained a very close and positive relationship with the Arizona State Fire Marshal's Office. The Department provides instructors, facilities, visual aids, etc. for much of the state fire marshals training.

The Phoenix Fire Departments Emergency Services Institute (regional training academy) would assume management responsibility for the ARFF training site. The Institute provides recruit and on-going training for eight fire departments. Presently, seven specific training programs are accredited by the International Fire Service Accreditation Congress. We expect to receive ARFF certification in the Spring of 1996.

The Phoenix Fire Department also has a long association with the local college and university system. Presently, many training programs can be transferred to college credit. Several Phoenix College classes are taught at the Emergency Services Institute (Training Academy).

The Department has been involved in providing curriculum advisors to Phoenix College, Arizona State University and, more recently, Ottawa University. As a result, Phoenix College offers a two year Associate of Arts degree and each university has a four-year Bachelor of Science or Arts Programs in Fire Management and Technology for students coming from the fire service. The Department also has an advanced computerized training record management system that could easily absorb any ARFF Training records.

The Phoenix Fire Department also conducts three annual fire service seminars. They are: The Incident Management Systems (Command) Seminar, that attracts over 400 fire officers from around the country and internationally; The Health & Safety Seminar, that attracts nearly 300 participants; and The Total Quality Service Seminar, that has nearly 200 participants.

This broad conference experience has built in advertising, billing, scheduling, and expense management that would allow efficient management of the regional ARFF students.

SUMMARY

The Phoenix Fire Department is interested in assuming leadership and management of a regional Aircraft Rescue and Firefighting (ARFF) training facility. As noted, the Department has been interested in developing such a training center in the past. We have a broad and progressive ARFF training program at Sky Harbor International Airport and many years of experience with aviation fire protection. Such a training center would greatly enhance Aviation Rescue and Firefighting in Arizona and the Western region.

The Department has an in-place regional training facility with a professional staff. The Emergency Services Institute offers a variety of other training (such as hazards materials) that may be integrated with ARFF training, depending on the desires of sponsoring ARFF organizations.

Phoenix offers convenient out-of-town travel with reasonably priced motel availability in close proximity. The proposed site offers adequate acreage, it would be immediately adjacent to a City driver training course, and it would support vehicle maintenance and repair facilities. It is also in close proximity to an existing regional fire training facility.

1200 S. BUCKEYE RD
 1300 S. YAVAPAI ST
 1400 S. YUMA ST
 1500 S. PAPAGO ST
 1600 S. PIMA ST
 1700 S. COCOPAH ST
 1800 S. MOHAVE ST
 2000 S. DURANGO ST
 2200 S. HILTON ST
 2800 S. LOWER BUCKEYE RD

SW
 0202

7/18/90

SW 0102
 SW 0203 ← SW 0202 → SW 0201
 SW 0302

S 1200

